

Java Operator Precedence Chart

<u>Operator</u>	<u>Type</u>	<u>Associativity</u>
() [] .	parentheses array subscript member selection	left to right
++ --	unary postincrement unary postdecrement	right to left
++ -- + - ! ~ (type)	unary preincrement unary predecrement unary plus unary minus unary logical negation unary bitwise complement unary cast	right to left
* / %	multiplication division modulus	left to right
+ -	addition subtraction	left to right
<< >> >>>	bitwise left shift bitwise right shift with sign extension bitwise right shift with zero extension	left to right
< <= > >= instanceof	relational less than relational less than or equal to relational greater than relational greater than or equal to type comparison	left to right
== !=	relational is equal to relational is not equal to	left to right

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<u>Operator</u>	<u>Type</u>	<u>Associativity</u>
&	bitwise AND	left to right
<hr/>		
^	bitwise exclusive OR	left to right
	boolean logical exclusive OR	
<hr/>		
	bitwise inclusive OR	left to right
	boolean logical inclusive OR	
<hr/>		
&&	logical AND	left to right
<hr/>		
	logical OR	left to right
<hr/>		
? :	ternary conditional	right to left
<hr/>		
=	assignment	right to left
+=	addition assignment	
-=	subtraction assignment	
*=	multiplication assignment	
/=	division assignment	
%=	modulus assignment	
&=	bitwise AND assignment	
^=	bitwise exclusive OR assignment	
=	bitwise inclusive OR assignment	
<<=	bitwise left shift assignment	
>>=	bitwise right shift with sign extension assignment	
>>>=	bitwise right shift with zero extension assignment	

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Reference

Deitel, Harvey M. and P.J. Deitel. "Operator Precedence Chart." **Java: How To Program**. 3rd ed. Upper Saddle River, NJ: Prentice Hall, ©1999. pp. 1240-1241.